28-Feb-2005 Response to Office Action U.S.S.N. 10/051,241

Page 2

## **CLAIM AMENDMENTS**

- (Currently Amended) A chemical-mechanical polishing system comprising:
  - (a) a liquid carrier,
  - (b) a polishing component selected from the group consisting of (i) a polishing pad, (ii) an abrasive, and (iii) a polishing pad and an abrasive, and
  - at least one amine-containing polymer with about 5 or more sequential atoms separating the nitrogen atoms of the amino functional groups.
- 2. (Original) The system of claim 1, wherein at least one amine-containing polymer is a condensation polymer comprising repeating units that contain an amino functional group.
- 3. (Original) The system of claim 2, wherein the condensation polymer is a polyaminoamide.
- 4. (Original) The system of claim 3, wherein the condensation polymer is a diethylenetriamine/adipic acid condensation polymer.
- 5. (Currently Amended) The system of claim 1 A chemical-mechanical polishing system comprising:
  - (a) a liquid carrier,
  - (b) a polishing component selected from the group consisting of (i) a polishing pad, (ii) an abrasive, and (iii) a polishing pad and an abrasive, and
- (c) at least one amine-containing polymer with 5 or more sequential atoms
  separating the nitrogen atoms of the amino functional groups,
  wherein at least one amine-containing polymer is polydiallyldimethylammonium chloride.
- 6. (Currently Amended) The system of claim 1-A chemical-mechanical polishing system comprising:
  - (a) a liquid carrier,

Cabot Microelectronics Corporation 870 North Commons Drive Aurora, Illinois 60504 Tel. (630) 375-5465 28-Feb-2005 Response to Office Action U.S.S.N. 10/051,241

Page 3

- (b) a polishing component selected from the group consisting of (i) a polishing pad. (ii) an abrasive, and (iii) a polishing pad and an abrasive, and
- (c) at least one amine-containing polymer with 5 or more sequential atoms

  separating the nitrogen atoms of the amino functional groups,

  wherein at least one amine-containing polymer is a copolymer comprising repeating units

  containing an amine functional group and repeating units selected from the group consisting
- 7. (Original) The system of claim 1, wherein at least one amine-containing polymer has about 7 or more sequential atoms separating the nitrogen atoms of the amino functional groups.

of amides, vinyl acetate, ethylene oxide, and propylene oxide.

- 8. (Original) The system of claim 1, wherein at least one amine-containing polymer has about 10 or more sequential atoms separating the nitrogen atoms of the amino functional groups.
  - 9. (Original) The system of claim 1, further comprising a per-type oxidizer.
- 10. (Original) The system of claim 9, wherein the per-type oxidizer is selected from the group consisting of peroxides, persulfates, periodates, and permanganates.
  - 11. (Original) The system of claim 1, further comprising a complexing agent.
  - 12. (Previously Presented) A chemical-mechanical polishing system comprising:
    - (a) a liquid carrier,
    - (b) a polishing component selected from the group consisting of (i) a polishing pad, (ii) an abrasive, and (iii) a polishing pad and an abrasive, and
    - (c) at least one amine-containing block copolymer with at least one polymer block comprising one or more amine functional groups and at least one polymer block not comprising any amine functional groups.
- 13. (Original) The system of claim 12, wherein at least one amine-containing block copolymer is an AB diblock, ABA triblock, or ABC triblock copolymer.

Cabot Microelectronics Corporation 870 North Commons Drive Aurora, Illinois 60504 Tel. (630) 375-5465 28-Feb-2005 Response to Office Action U.S.S.N. 10/051,241

Page 4

- 14. (Original) The system of claim 12, wherein the polymer blocks comprising one or more amine functional groups are about 10 wt.% or more of the amine-containing block copolymer.
- 15. (Original) The system of claim 14, wherein the polymer blocks comprising one or more amine functional groups are about 20 wt.% or more of the amine-containing block copolymer.
- 16. (Original) The system of claim 12, wherein the polymer block comprising one or more amine functional groups are about 40 wt.% or more of the amine-containing block copolymer.
- 17. (Original) The system of claim 12, wherein at least one amine-containing block has about 5 or more sequential atoms separating the nitrogen atoms of the amino functional groups.

18.-24. (Previously Canceled)

Cabot Microelectronics Corporation 870 North Commons Drive Aurora, Illinois 60504 Tel. (630) 375-5465